

June 26, 2020

Report to:

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Bill to:

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Project ID:

ACZ Project ID: L56148

Lynda Lombardi:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on November 26, 2019 and originally reported on December 31, 2019. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L56148. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L56148. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after January 30, 2020. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Sue Webber has reviewed and
approved this report.



Wood - EI Solutions, Inc.

June 26, 2020

Project ID:

ACZ Project ID: L56148

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 11 miscellaneous samples from Wood - E&I Solutions, Inc. on November 26, 2019. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L56148. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further explanation not provided by the Extended Qualifier Report:

1. ANP/AGP Ratio (N1) - This report has been revised on 05/04/2020. For samples L56148-04 and -11, the Nevada Alternative II calculations have been applied since the ANP/AGP ratio was <1.2. No other changes have been made.
2. This report was revised on 06/26/2020 to report corrected sulfur forms data and to add additional calculations per Nevada regulations. No other changes were made.

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB27_0.5-3

ACZ Sample ID: **L56148-01**

Date Sampled: 11/21/19 09:25

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		3.75			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		16			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		4.27			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	<1	U	*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	7.1		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		12.3			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.6		*	%	0.1	0.5	12/26/19 10:44	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.12			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.12		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.12		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 17:37	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 15:06	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB27_6-15

ACZ Sample ID: **L56148-02**

Date Sampled: 11/21/19 09:55

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		9.38			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		14			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.49			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	1		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.5		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		4.63			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.4		*	%	0.1	0.5	12/26/19 11:01	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.29			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.12		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	0.17		*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.18		*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.01	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	0.17		*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.30		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 17:44	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 15:21	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB28_0.5-3

ACZ Sample ID: **L56148-03**

Date Sampled: 11/21/19 11:55

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		5.00			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		10			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		2			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	3		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.6		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		5			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.0		*	%	0.1	0.5	12/26/19 11:17	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.14			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.14		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.16		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 17:50	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 15:36	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB28_6-15

ACZ Sample ID: **L56148-04**

Date Sampled: 11/21/19 12:25

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc)	M600/2-78-054 1.3	1	14.7		*	t CaCO3/Kt	0.31	3.1	05/01/20 12:45	cra
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		16			t CaCO3/Kt	1	5	06/26/20 0:00	calc
Acid-Base Potential (calc)	M600/2-78-054 1.3	1	1.3		*	t CaCO3/Kt			06/25/20 14:30	cra
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.09			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	4		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	4.6		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		1.3			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.6		*	%	0.1	0.5	12/26/19 11:34	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.47			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.14		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	0.33		*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.38		*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.05	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	0.33		*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.52		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 17:56	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 15:51	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB29_0.5-3

ACZ Sample ID: **L56148-05**

Date Sampled: 11/21/19 15:10

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		5.00			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		9			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.8			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	1		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.9		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		4			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	0.9		*	%	0.1	0.5	12/26/19 11:51	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.14			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.14		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.16		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:03	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 16:07	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB29_6-15

ACZ Sample ID: **L56148-06**

Date Sampled: 11/21/19 15:45

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		8.13			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		16			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.97			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	<1	U	*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	7.1		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		7.88			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.6		*	%	0.1	0.5	12/26/19 12:41	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.24			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.09	B	*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	0.15		*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.17		*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	0.15		*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.26		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:09	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 16:22	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB29-FD_6-15

ACZ Sample ID: **L56148-07**

Date Sampled: 11/21/19 15:50

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		6.56			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		15			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		2.29			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	<1	U	*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	6.9		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		8.44			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.5		*	%	0.1	0.5	12/26/19 12:58	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.19			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.10		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	0.09	B	*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.11		*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	0.09	B	*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.21		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:15	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 16:37	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB30_0.5-3

ACZ Sample ID: **L56148-08**

Date Sampled: 11/22/19 09:02

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		3.75			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		8			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		2.13			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	2		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.6		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		4.25			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	0.8		*	%	0.1	0.5	12/26/19 13:15	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.12			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.12		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.12		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:22	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 16:53	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB30_6-15

ACZ Sample ID: **L56148-09**

Date Sampled: 11/22/19 09:25

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		10.6			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		15			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.41			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	2		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.1		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		4.38			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.5		*	%	0.1	0.5	12/26/19 13:32	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.38			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.15		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	0.23		*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.19		*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	0.23		*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.34		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:28	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 17:08	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB31_0.5-3

ACZ Sample ID: **L56148-10**

Date Sampled: 11/22/19 12:03

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4		6.56			t CaCO3/Kt	0.31	3.1	06/26/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		8			t CaCO3/Kt	1	5	06/26/20 0:00	calc
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.22			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	<1	U	*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.5		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		1.44			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	0.8		*	%	0.1	0.5	12/26/19 13:48	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.19			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.19		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.21		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:34	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 17:23	ink/jms

Wood - E&I Solutions, Inc.

Project ID:

Sample ID: STSB31_6-15

ACZ Sample ID: **L56148-11**

Date Sampled: 11/22/19 12:20

Date Received: 11/26/19

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc)	M600/2-78-054 1.3	1	12.2		*	t CaCO3/Kt	0.31	3.1	05/01/20 12:47	cra
Acid Neutralization Potential (calc)	M600/2-78-054 3.2.3 NV Modified Sobek Procedure		14			t CaCO3/Kt	1	5	06/26/20 0:00	calc
Acid-Base Potential (calc)	M600/2-78-054 1.3	1	1.8		*	t CaCO3/Kt			06/25/20 14:35	cra
ANP to AGP Ratio (calc)	M600/2-78-054 NV Modified Sobek Procedure		1.15			t CaCO3/Kt			06/26/20 0:00	calc
Net Acid Generation Procedure	Sequential NAG - EGI 2002									
NAG		1	2		*	Kg H2SO4/t	1	1	12/27/19 0:00	jms
pH After Oxidation		1	5.1		*	units	0.1	0.1	12/27/19 0:00	jms
Net Neutralization Potential - NV Mod	M600/2-78-054 NV Modified Sobek Procedure		1.8			t CaCO3/Kt			06/26/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 NV Modified Sobek Procedure	1	1.4		*	%	0.1	0.5	12/26/19 14:05	llr
Potential Acid Generating Sulfur	M600/2-78-054 NV Modified Sobek Procedure		0.39			%	0.01	0.1	06/26/20 0:00	calc
Sulfur Forms	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc									
H2O-Soluble Sulfate		1	0.20		*	%	0.01	0.1	12/27/19 0:00	llr
HCl Rinse Residue		1	0.19		*	%	0.01	0.1	12/27/19 0:00	llr
HNO3 Rinse Residue		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Hot Water Rinse Residue		1	0.21		*	%	0.01	0.1	12/27/19 0:00	llr
Non-Extractable Sulfur		1	<0.01	U	*	%	0.01	0.1	12/27/19 0:00	llr
Non-H2O Sulfate Sulfur		1	0.02	B	*	%	0.01	0.1	12/27/19 0:00	llr
Pyritic Sulfur		1	0.19		*	%	0.01	0.1	12/27/19 0:00	llr
Total Sulfur		1	0.41		*	%	0.01	0.1	12/27/19 0:00	llr

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/11/19 18:41	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								12/16/19 17:39	ink/jms


Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

Wood - E&I Solutions, Inc.

ACZ Project ID: **L56148**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Net Acid Generation

Sequential NAG - EGI 2002

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488855													
L56148-05DUP	DUP	12/27/19 15:47			1	1.2	g H ₂ SO ₄ /				18	20	RA

Neutralization Potential as CaCO₃

M600/2-78-054 NV Modified Sobek Procedure

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488795													
L56148-05DUP	DUP	12/26/19 12:08			.9	.8	%				12	20	RA
L56148-05MS	MS	12/26/19 12:24	SI190303-1	1	.9	1.8	%	90	70	130			
WG488795LCSS	LCSS	12/26/19 16:03	PCN59475	99.9		105	%	105	80	120			
WG488795PBS	PBS	12/26/19 16:19			U		%		-0.2	0.2			

Sulfur Hcl Extractable

M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488432													
L56148-05DUP	DUP	12/27/19 12:29			.02	.03	%				40	20	RA

Sulfur Hno3 Extractable

M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488432													
L56148-05DUP	DUP	12/27/19 12:29			U	U	%				0	20	RA

Sulfur Hot H2o Extractable

M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488432													
L56148-05DUP	DUP	12/27/19 12:29			.14	.13	%				7	20	

Sulfur Hot H2o Residue

M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488432													
L56148-05DUP	DUP	12/27/19 12:29			.02	.03	%				40	20	RA

Sulfur Residual

M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488432													
L56148-05DUP	DUP	12/27/19 12:29			U	U	%				0	20	RA

Sulfur Total

M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG488432													
WG488432PBS	PBS	12/27/19 11:47				U	%		-0.03	0.03			
WG488432LCSS	LCSS	12/27/19 11:52	PCN60248	4.01		3.9	%	97	80	120			
L56148-05MS	MS	12/27/19 12:23	PCN59155	1.32	.16	1.55	%	105	80	120			
L56148-05DUP	DUP	12/27/19 12:29			.16	.16	%				0	20	

Wood - E&I Solutions, Inc.ACZ Project ID: **L56148**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L56148-01	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-02	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-03	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

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ACZ Project ID: **L56148**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L56148-04	WG496401	Acid Generation Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
	WG500112	Acid-Base Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-05	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-06	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Wood - E&I Solutions, Inc.

ACZ Project ID: **L56148**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L56148-07	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-08	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-09	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L56148-10	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L56148-11	WG496401	Acid Generation Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
	WG500112	Acid-Base Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
	WG488432	Hot Water Rinse Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488855	NAG	Sequential NAG - EGI 2002	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488795	Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG488432	Non-Extractable Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Non-H ₂ O Sulfate Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Pyritic Sulfur	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Proc	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Wood - E&I Solutions, Inc.ACZ Project ID: **L56148**

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Acid Generation Potential (calc)	M600/2-78-054 1.3
Acid-Base Potential (calc)	M600/2-78-054 1.3
NAG	Sequential NAG - EGI 2002
Neutralization Potential as CaCO ₃	M600/2-78-054 NV Modified Sobek Procedure
pH After Oxidation	Sequential NAG - EGI 2002
Sulfur HCl Extractable	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur HCl Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur HNO ₃ Extractable	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur HNO ₃ Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur Hot H ₂ O Extractable	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur Hot H ₂ O Residue	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur Residual	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure
Sulfur Total	M600/2-78-054 3.2.4 & 3.2.6 NV Modified Sobek Procedure

Wood - E&I Solutions, Inc.

ACZ Project ID: L56148

Date Received: 11/26/2019 13:12

Received By:

Date Printed: 12/2/2019

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2) Is the Chain of Custody form or other directive shipping papers present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Does this project require special handling procedures such as CLP protocol?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4) Are any samples NRC licensable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5) If samples are received past hold time, proceed with requested short hold time analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Is the Chain of Custody form complete and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Are all labels on containers and are they intact and legible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) For preserved bottle types, was the pH checked and within limits? ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12) Is there sufficient sample volume to perform all requested work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13) Is the custody seal intact on all containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14) Are samples that require zero headspace acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15) Are all sample containers appropriate for analytical requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16) Is there an Hg-1631 trip blank present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17) Is there a VOA trip blank present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18) Were all samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
NA31887	14.1	NA	15	Yes
NA31889	13.1	NA	15	Yes
NA31891	14.5	NA	15	Yes
NA31888	15.6	NA	15	Yes
NA31890	14.8	NA	15	Yes

Was ice present in the shipment container(s)?

No - Wet or gel ice was not present in the shipment container(s).

Wood - E&I Solutions, Inc.

ACZ Project ID: L56148

Date Received: 11/26/2019 13:12

Received By:

Date Printed: 12/2/2019

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

¹ The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na₂S₂O₃ preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

561957842010302

**Atlantic
Richfield
Company**
A BP affiliated company

Management Program LaMP Chain of Custody Record

BP/ARC Site Node Path: NV_YERINGTON
BP/ARC Facility Name: Anaconda Copper Mine Site
Req Due Date (mm/dd/yy):
Lab Work Order Number:

Page 1 of 2

Rush TAT: Yes No X

Lab Name: ACZ Laboratories, Inc.		Lab Address: 2773 Downhill Dr, Steamboat Springs, CO, 80487		Lab Phone: 970-879-6590		Lab Shipping Acct: 2897-1804-4 (RC #)		Lab Bottle Order No:		Other Info: OU-4b_OU-5_Soil		Consultant/Contractor: Wood - E&I Solutions, Inc.		Consultant/Contractor Project No: SA18170340.005.055B		Address: 10940 White Rock Rd, Ste 190, Rancho Cordova, CA 95670		Consultant/Contractor PM: Kent Parrish		Phone: 916-636-3200 Email: Kent.Parrish@woodplc.com		Email Report/EDD To: lynda.lombardi@woodplc.com		Invoice To: BP/ARC Contractor X	
Lab No.		Sample Description		Date		Time		Matrix		No. Containers / Preservative		Requested Analyses		Report Type & QC Level		Comments									
		STSB27-0-0.5		11/21/19		0915		Soil / Solid		Total Number of Containers		Acid Base Account/ Sulfur Forms		Standard X		Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.									
		STSB27-0.5-3		11/21/19		0925		Water / Liquid		Unpreserved		Net Acid Generation		Full Data Package											
		STSB27-6-15		11/21/19		0955		Air / Vapor		H ₂ SO ₄															
		STSB28-0.5-3		11/21/19		1155				HNO ₃															
		STSB28-6-15		11/21/19		1225				HCl															
		STSB29-0.5-3		11/21/19		1510																			
		STSB29-6-15		11/21/19		1545										Sample time = 1545									
		STSB29-FD-6-15		11/21/19		1550																			
		STSB30-0.5-3		11/22/19		0902																			
		STSB30-6-15		11/22/19		0925																			
Sampler's Name: Bryce Johnson		Ship Date: 11/25/19		Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation		Date		Time											
Sampler's Company: Wood		Ship Date: 11/25/19		Bryce Johnson / Wood		11/25/19		1030		gme		11/25/19		1312											
Shipment Method: Fed Ex		Shipment Tracking No: 813794141707, 1718, 1721, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 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Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Site Node Path: NV_YERINGTON
BP/ARC Facility Name: Anaconda Copper Mine Site
Req Due Date (mm/dd/yy):
Lab Work Order Number:

Lab Name: ACZ Laboratories, Inc.
Lab Address: 2773 Downhill Dr, Steamboat Springs, CO, 80487
Lab M: Sue Webber (suew@aczc.com)
Lab Phone: 970-879-6590
Lab Shipping Acct: 2897-1804-4 (RC #)
Lab Bottle Order No:
Other Info: OU-4b OU-5 Soil

BP/ARC Facility Address: 1 Austin Circle
City, State, ZIP Code: Yerington, Nevada
Lead Regulatory Agency: NDEP Abandoned Mine Lands Program
California Global ID No.:
Enfos Proposal No: Work Release No:
Accounting Mode: Provision OOC-BU OOC-RM
Stage: Activity:

Consultant/Contractor: Wood - E&I Solutions, Inc.
Consultant/Contractor Project No: SA18170340.005.055B
Address: 10940 White Rock Rd, Ste 190, Rancho Cordova, CA 95670
Consultant/Contractor PM: Kent Parrish
Phone: 916-636-3200 Email: Kent.Parrish@woodplc.com
Email Report/EDD To: lynda.lombardi@woodplc.com
Invoice To: BP/ARC Contractor X

Lab No.	Sample Description	Date	Time	Requested Analyses										Report Type & QC Level	
				Matrix	No. Containers / Preservative					Net Acid Generation				Standard	Full Data Package
				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Acid Base Account/ Sulfur Forms	Net Acid Generation		

STS531-0.5-3 11/22/19 1203
STS531-3 to 11/22/19 1220
D3 11/22/19
Sample ID = STS531-6-15

Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation		Date	Time
Bryce Johnson / Wood				11/25/19	1030				

Sampler's Name: Bryce Johnson
Sampler's Company: Wood
Ship Date: 11/25/2019
Ship Date Method: Fed Ex
Shipment Tracking No: 813744141707, 1718, 1762, 1773, 1784, 1796

Special Instructions: Use NV approved protocols

THIS LINE LAB USE ONLY: Custody Seals In Place: Yes / No Trip Blank: Yes / No Cooler Temp on Receipt: °F/C MS/MSD Sample Submitted: Yes / No